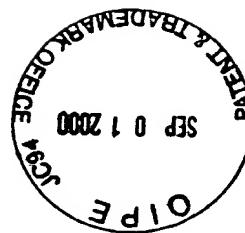


SEQUENCE LISTING



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SEP 07 2003

TECH CENTER 1600/2900

<110> NERI, Dario
 TARLI, Lorenzo
 VITI, Francesca
 BIRCHLER, Manfred

<120> SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY, CONJUGATES
 CONTAINING THEM AND THERAPEUTIC METHOD FOR TREATMENT OF
 ANGIOGENESIS

<130> SCH-1733P2

<140> 09/512,082
 <141> 2000-02-24

<150> 09/300,425
 <151> 1999-04-28

<150> 09/075,338
 <151> 1998-05-11

<160> 34

<170> PatentIn Ver. 2.1

<210> 1
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer

<400> 1
 gcggcccaagc cggccatggc cgag

24

<210> 2
 <211> 54
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer

<220>
 <223> "n" at various positions throughout the sequence
 represent a, t, c, g, other or unknown

<400> 2
 gagcctggcg gaccagctc atmnnnnnnnn ngctaaaggt gaatccagag gctg

54

<210> 3
 <211> 23
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2

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<220>
<223> Description of Artificial Sequence: primer

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<400> 3
atgagctggg tccgccaggc tcc

23

<210> 4
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<220>
<223> "n" at various positions throughout the sequence
represent a, t, c, g, other or unknown

<400> 4
gtctgcgtac tatgtggtag cmnnactacc mnnaatmnnt gagacccact ccagcccc 60

<210> 5
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 5
acatactacg cagactccgt gaag

24

<210> 6
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 6
tcattctcgat cttgcggccg ctttgatttc cacctgggtc cttggccga acg

53

<210> 7
<211> 47
<212> DNA
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<220>
<223> "n" at various positions throughout the sequence

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DEC 3 2000

3

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represent a, t, c, g, other or unknown

<400> 7
tttctgctg gtaccaggct aamnngctgc tgctaacact ctgactg

47

<210> 8
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 8
ttagcctggt accagcagaa acc

23

<210> 9
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<220>
<223> "n" at various positions throughout the sequence
represent a, t, c, g, other or unknown

<400> 9
gccagtggcc ctgctggatg cmnnatagat gaggagcctg ggagcc

46

<210> 10
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 10
gcatccagca gggccactgg c

21

<210> 11
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 11
gcggcccaagc atgccatggc cgaggtgcag ctgttggagt ctggg

45

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<210> 12
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<220>
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      represent a, t, c, g, other or unknown

<400> 12
ggttccctgg ccccagtagt caaaamnnnn mnnnnnnnttc gcacagtaat atacg      55

<210> 13
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 13
gcggcccccagc atgccatggc cgag      24

<210> 14
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 14
cccgctacccg ccactggacc catcgccact cgagacggtg accagggttc cctggcccca 60
      gtatgc      66

<210> 15
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 15
gatgggtcca gtggcggtag cggggggcgcg tcgactggcg aaattgtgtt gacgcagtct 60
      cc      62

<210> 16
<211> 63
<212> DNA
<213> Artificial Sequence

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<220>
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      represent a, t, c, g, other or unknown

<400> 16
caccttggtc ccttggccga acgtmnnncgg mnnmnnnaccc nnctgctgac agtaatacac 60
tgc                                         63

<210> 17
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 17
gagtcattct cgacttgcgg ccgcattgtat ttccaccccttgc gtcacccggc cgaacg      56

<210> 18
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 18
gatgggtcca gtggcggtag cggg                                         24

<210> 19
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: H antibody specific
      for ED-B domain of fibronectin

<400> 19
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
  1           5           10           15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
  20          25          30

Ser Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
  35          40          45

Ser Ser Ile Ser Gly Ser Ser Gly Thr Thr Tyr Tyr Ala Asp Ser Val
  50          55          60

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Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Pro Phe Pro Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val
 100 105 110

Thr Val Ser Ser
 115

<210> 20

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: antibody linker

<400> 20

Gly Asp Gly Ser Ser Gly Gly Ser Gly Ala Ser Thr Gly
 1 5 10

<210> 21

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: VL antibody
 specific for ED-B domain of fibronectin

<400> 21

Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
 1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
 20 25 30

Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu
 35 40 45

Ile Tyr Tyr Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
 50 55 60

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
 65 70 75 80

Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Thr Gly Arg Ile Pro
 85 90 95

Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105

<210> 22

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide formula

<400> 22

Glu Gly Ile Pro Ile Phe Glu Asp Phe Val Asp Ser Ser Val Gly Tyr
1 5 10 15

<210> 23

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide formula

<400> 23

Tyr Thr Val Thr Gly Leu Glu Pro Gly Ile Asp Tyr Asp Ile Ser
1 5 10 15

<210> 24

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide formula

<400> 24

Asn Gly Gly Glu Ser Ala Pro Thr Thr Leu Thr Gln Gln Thr
1 5 10

<210> 25

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: DNA construct

<220>

<221> CDS

<222> (10)..(69)

<400> 25

gcggccgca gat gac gat tcc gac gat gac tac aag gac gac gac gac aag 51
Asp Asp Asp Ser Asp Asp Asp Tyr Lys Asp Asp Asp Asp Lys
1 5 10

cac cat cac cat cac cat tag
His His His His His His
15 20

<210> 26
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide construct

<400> 26
Asp Asp Asp Ser Asp Asp Asp Tyr Lys Asp Asp Asp Asp Lys His His
1 5 10 15
His His His His
20

<210> 27
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 27
Ala Ile Ser Gly Ser Gly
1 5

<210> 28
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 28
Ser Ile Arg Gly Ser Ser
1 5

<210> 29
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 29
Gly Leu Ser Ile
1

<210> 30
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 30
Ser Phe Ser Phe
1

<210> 31
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 31
Phe Pro Phe Tyr
1

<210> 32
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 32
Asn Gly Trp Tyr Pro Trp
1 5

<210> 33
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 33
Gly Gly Trp Leu Pro Tyr
1 5

<210> 34
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: anti-ED-B
antibody clone

<400> 34
Thr Gly Arg Ile Pro Pro
1 5